

ellion
Ellion Digital Inc.

ellion

USER'S MANUAL

HD MEDIA RECORDER & PLAYER

HMR-350H



Ellion Digital Inc.
www.elliondigital.com

P/N : 63020013800

Precautions

IMPORTANT



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION : TO PREVENT THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

These labels can be found on the unit's rear panel.



CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

Ces étiquettes se trouvent sur le fond de l'appareil.

ATTENTION

DANGER D'ELECTROCUTION
NE PAS OUVRIR

Note : This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION

This product satisfies FCC regulations when shielded cables and connectors are used to connect the unit to other equipment. To prevent electromagnetic interference with electric appliances such as radios and televisions, use shielded cables and connectors for connections.

CAUTION

- Use of controls or adjustments or performance of procedures other than those specified here may result in hazardous radiation exposure.
- The use of Optical instruments with this product will increase eye hazard.

WARNING

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE. APPARATUS SHALL NOT BE EXPOSED TO DRIPPING OR SPLASHING AND NO OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, SHALL BE PLACED ON THE APPARATUS.

CAUTION

This product contains a laser diode of higher class than 1. To ensure continued safety, do not remove any covers or attempt to repair. Refer all servicing to qualified personnel.

The following caution appears on rear of the unit.

CAUTION

VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN. AVOID EXPOSURE TO BEAM (WARNING LOCATION: INSIDE ON LASER COVERSHEILD)



This product is in conformity with the EMC directive and low-voltage directive.

Important Safety Instructions

- **READ THESE INSTRUCTIONS** - All the safety and operating instructions should be read before the product is operated.
- **KEEP THESE INSTRUCTIONS** - The safety and operating instructions should be retained for future reference.
- **HEED ALL WARNINGS** - All warnings on the product and in the operating instructions should be adhered to.
- **FOLLOW ALL INSTRUCTIONS** - All operating and use instructions should be followed.
- **CLEAN ONLY WITH A DAMP CLOTH** - Unplug this product from the wall outlet before cleaning. The product should be cleaned only with a polishing cloth or a soft dry cloth. Never clean with furniture wax, benzene septicides or other volatile liquids since they may corrode the cabinet.
- **DO NOT USE THIS APPRATUS NEAR WATER**
 - Do not use this product near water - for example, near a bathtub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool; and the like.
- **ACCESSORIES** - Only use the attachments/ accessories specified by the manufacturer.
- **CART** - Use only with a cart, stand, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- **VENTILATION** - Do not block any of the ventilation openings. Install in accordance with the manufacturer's instructions.
- **GROUNDING OR POLARIZATION** - Do not defeat the safety purpose of the polarized or grounding type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- **POWER-CORD PROTECTION** - Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- **LIGHTNING** - Unplug this apparatus during lightning storms or when unused for long periods of time.
- **SERVICING** - Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled over, objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- **HEAT** - Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus(including amplifiers) that produce heat.
- **HARD DISK DRIVE** - We will not be liable in any way for damages as a consequence of loss or recovery of information in the hard disk. Besides, in case of repairing or substitution due to any malfunction, We will not be liable for any personal or confidential information stored in the hard disk or in any other storage device damaged or lost, neither the recovery of this data. Customers are urged to back up their data before returning hard disk or any other recordable media product for repair.



We will not be liable for the compatibility of newly developed or produced HDD after the date of production of this unit. It is also Customers responsibility to find the compatible HDD for this unit when the customers purchase HDD separately from this unit.

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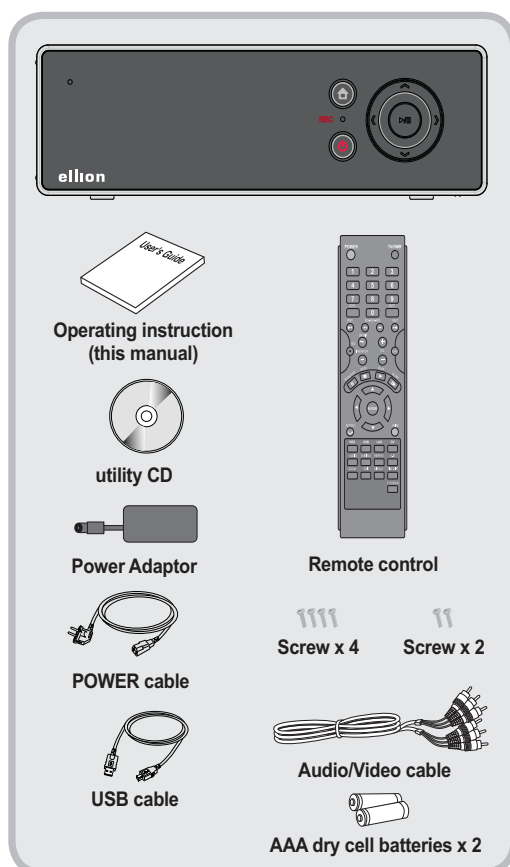
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Before You Start

What's in the box

Thank you for buying this product. Please confirm that the following accessories are in the box when you open it.

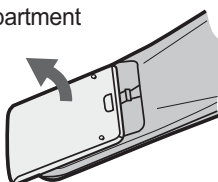


NOTE

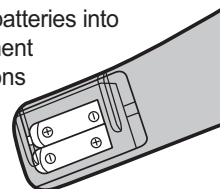
- The Power Plug is subject to the each country specification.

Putting the batteries in the remote control

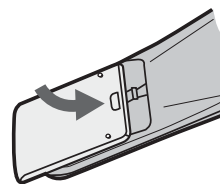
- 1 Open the battery compartment cover on the back of the remote control.



- 2 Insert two AAA/R03 batteries into the battery compartment following the indications (+, -) inside the compartment.



- 3 Close the cover.



Using the remote control

Keep in mind the following when using the remote control :

- Make sure that there are no obstacles between the remote and the remote sensor on the unit.
- Remote operation may become unreliable if strong sunlight or fluorescent light is shining on the unit's remote sensor.
- Remote controllers for different devices can interfere with each other. Avoid using remotes for other equipment located close to this unit.
- Replace the batteries when you notice a fall off in the operating range of the remote.

NOTE

Incorrect use of batteries can result in hazards such as leakage and bursting. Please observe the following:

- Don't mix new and old batteries together.
- Don't use different kinds of batteries together-although they may look similar, different batteries may have different voltages.
- Make sure that the plus and minus ends of each battery match the indications in the battery compartment.
- Remove batteries from equipment that isn't going to be used for a month or more.
- When disposing of used batteries, please comply with governmental regulations or environmental public instruction's rules that apply in your country or area.

Before You Start

File System

You may find 3 file systems during enjoying HD Media Recorder (HMR)

1 Installed HDD

1-1 UDF (Universal Disk Format)

Most of the recording data from AV input of HMR are into UDF File system which allows you to edit the recorded data. You can enjoy most of necessary editing functions like Delete, AB delete, Merge and rename. It will be partitioned during HDD format when you select Recording Disc partition in HDD.

NOTE

- Windows base computer will not read this partition when HMR is connected to PC as an external HDD.

1-2 FAT 32 (File Allocation Table 32Bit)

HMR support FAT32 system for easy access of the computer based contents in the connected storage. You can record and enjoy time shift with this file system. You can copy the files and folders by remote control as well as by computer. It will be made during HDD format when you select Multimedia Disc partition in HDD

1-3 NTFS (NT File System)

You can playback the contents inside. File copy to NTFS system is only available by computer while connecting this unit as an external HDD. This partition is mainly designed when you want to copy an file whose size is more than 4GB because FAT32 has the limit of 4GB of single file size.

Recording and Time Shift are not available with NTFS File System. It will be made during HDD format procedure.

2 USB connected external HDD

2-1 FAT 32 (File Allocation Table 32Bit)

You can copy, record (less than 4GB in single file size) and enjoy time shift as well as you can playback the contents inside

2-2 NTFS (NT File System)

You can playback the contents inside. Recording, File Copy and Timeshift are not available with NTFS File System

NOTE

- It is recommended that USB storage has an FAT 32 partition in order to enjoy recording, time shift and file copy into it. Please copy the files by computer if you want NTFS only in your USB storage. In this case, Recording or Timeshift are not available.

3 Functions by file system

By remote control as a Host

File System	UDF	FAT32	NTFS
Playback	OK	OK	OK
Record	OK	OK	X
File Copy	X	OK	X

By computer (Windows) as a Target

File System	UDF	FAT32	NTFS
File Recognition	X	OK	OK
File Copy (single file size under 4GB)	X	OK	OK
File Copy (single file size over 4GB)	X	X	OK

Supported AV format

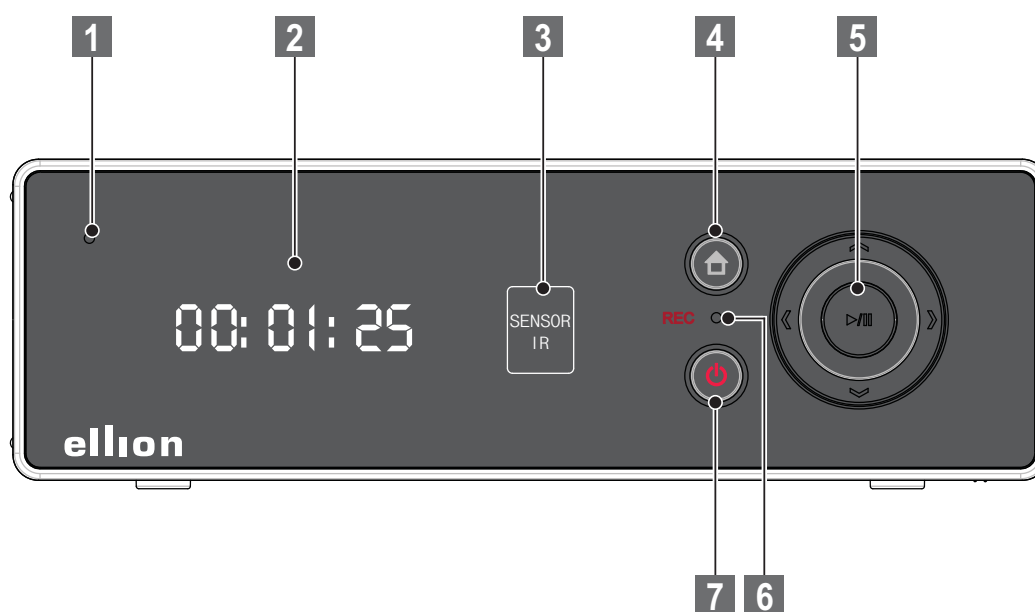
- HD Video : MPEG2 HD Video (TS, TP), HD DivX (AVI) HD Xvid (AVI)
- Video : MPEG1/2/4 (MPG, IFO, VOB, AVI), DivX (AVI), XVID (AVI)
- Audio : Dolby Digital, AC3, WMA, OGG
- Photo : JPEG, BMP (16bit/32bit)

NOTE

- Some of files in above format may not be played back depending on the encoding method.
- You are kindly requested to make transcoding them again with the general methods by computer with proper utility program.

Control & Name

Front



1 Power LED

2 VFD Display

3 IR receiving part
To receive IR signal from remote control

4 Guide
To display Guide Menu.

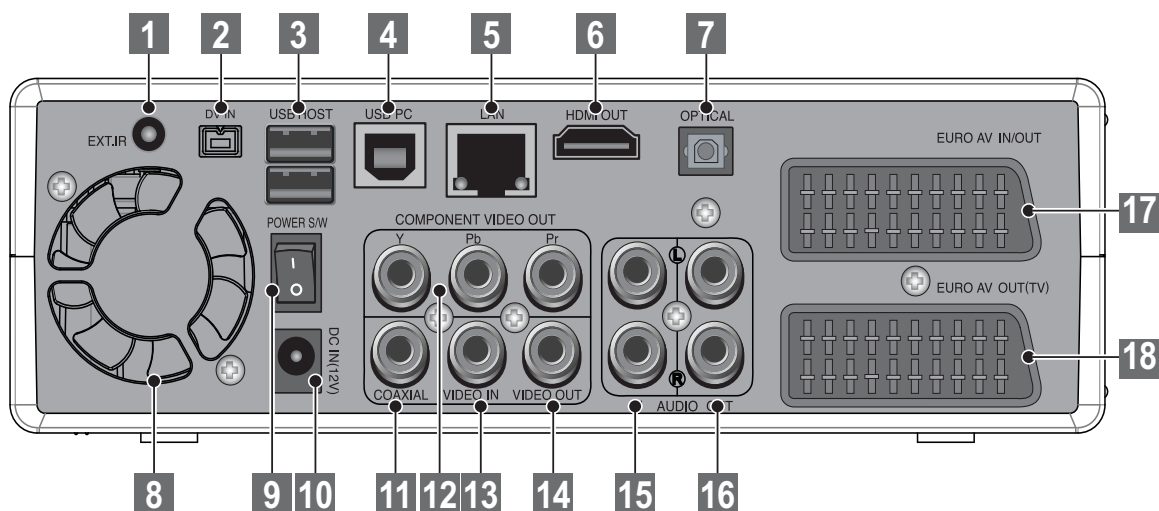
5 Arrow button
To move ◀, ▶, ▲, ▼

6 REC LED

7 Stand by/ Power On
To Switch HMR Power On or into Stand by mode

Control & Name

Rear - Euro Scart Verion

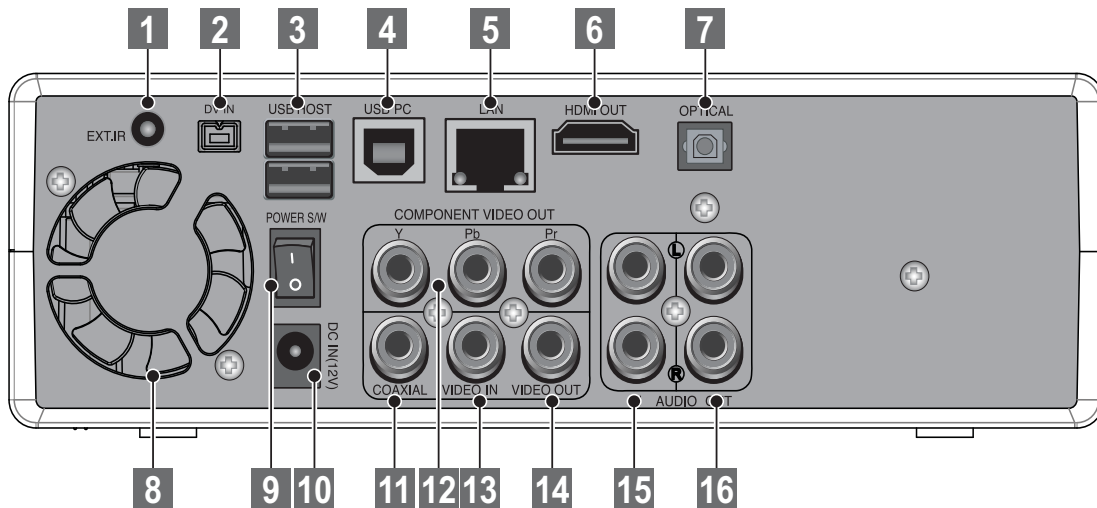


- 1 EXT. IR**
For the extension IR cable
- 2 DV In**
Digital Input jack (IEEE1394) for Digital Camcorder
- 3 USB HOST**
Digital Input jack for USB Storage (USB external HDD or USB memory) It can be used for the Digital TV or Wireless Option.
- 4 USB PC**
To Connect to USB host of Computer for using HMR as an external HDD
- 5 LAN**
To Connect to LAN cable
- 6 HDMI OUT**
To Connect to HDMI input of TV
- 7 OPTICAL**
To Connect to Optical Input of Digital Amplifier
- 8 FAN**
Cooling Fan
- 9 Power S/W**
Mechanical Power Switch to supply power to HMR or to cut it off

- 10 DC IN (12V)**
To Connect Power Adapter cable
- 11 COAXIAL**
To Connect to Coaxial Input of Digital Amplifier
- 12 COMPONENT VIDEO OUT**
To Connect to Component Video Input of TV
- 13 VIDEO IN**
To Connect to Composite Output of AV device such as Set Top Box or VCR
- 14 VIDEO OUT**
To Connect to Composite Video Input of TV
- 15 AUDIO IN**
To Connect to Audio out of AV device such as Set Top Box or VCR.
- 16 AUDIO OUT**
To Connect to Audio Inputs (L, R) of TV
- 17 EURO AV IN/OUT**
To Connect to Scart Output of AV device such as Set Top box or VCR
- 18 EURO AV OUT (TV)**
To Connect to Scart Input of TV

Control & Name

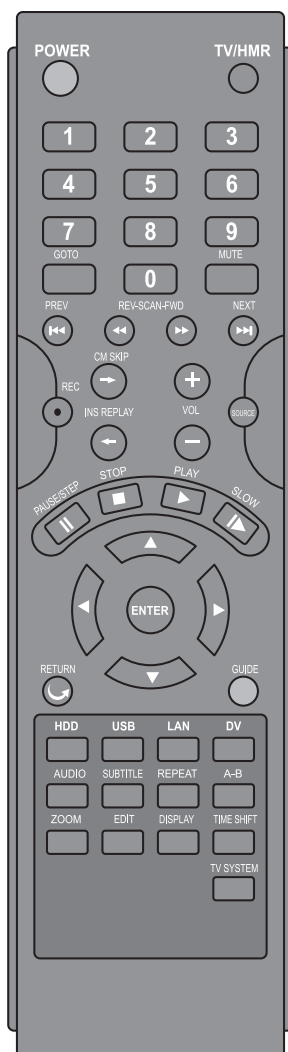
Rear - Standard Version



- 1 EXT. IR**
For the extension IR cable
- 2 DV In**
Digital Input jack (IEEE1394) for Digital Camcorder
- 3 USB HOST**
Digital Input jack for USB Storage (USB external HDD or USB memory) It can be used for the Digital TV or Wireless Option.
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To Connect to Audio out of AV device such as Set Top Box or VCR.
- 16 AUDIO OUT**
To Connect to Audio Inputs (L, R) of TV

Control & Name

Remote Control



A

A-B

To repeat a certain section.

ARROW (▲▼◀▶)

To select an item of menu.

AUDIO

To select Audio language or Audio channel

C

CM SKIP

To jump to 30 seconds forward

D

DISPLAY

To view the information on current working status.
To make it disappear pressing one more time

DV

To go to DV input mode for Digital Camcorder

E

EDIT

To edit the selected title or files

ENTER

To execute the selected function

Control & Name

G

GOTO

To go back or forward to the specific point

GUIDE

To show the guide menu

H

HDD

To go to REC list

I

INS REPLAY

To jump to 10 seconds backward

L

LAN

To go to browsing folders or files of connected LAN

M

MUTE

To turn on or off the sound

N

NEXT

To jump to next chapter or next pre-specified point

NUMERIC (0~9)

To select number or to type the number

P

PAUSE/STEP

To pause playing to view the still picture. To view the next video frame by each time pressing

PLAY

To view the selected titles and files

POWER

To turn on or off from stand by mode

PREV

To jump back to previous chapter or previous pre-specified point

R

REC

To start recording. To select one touch recording step by pressing additionally

REPEAT

To select the repeat mode of the title or files being played

RETURN

To get out of the current mode, To go to one directory back in the file directory

Control & Name

S

SCAN-FWD

To go forward fast during playback

SCAN-REV

To go backward fast during playback

SLOW

To go slowly during playback

SOURCE

To select input mode and to go to it

STOP

To stop the playback

SUBTITLE

To select and to view the subtitle

T

TIME SHIFT

To start Time Shift or To stop Time Shift

TV SYSTEM

To select TV system. It toggles NTSC → PAL
→ NTSC Progressive Scan (480P) → PAL
Progressive Scan(576P) → 720P → 1080i →
NTSC

NOTE

- You can not see the picture if you select the wrong TV system that your TV do not support

TV/HMR

To select TV signal or HMR signal when they are connected with Scart Cable.
It works only they are connected with Scart cable.
It is useful especially if your Scart TV has Scart Auto Detect function

U

USB

To go to browsing folders or files of connected USB storage

V

VOLUME -

To volume down

VOLUME +

To volume up

Z

ZOOM

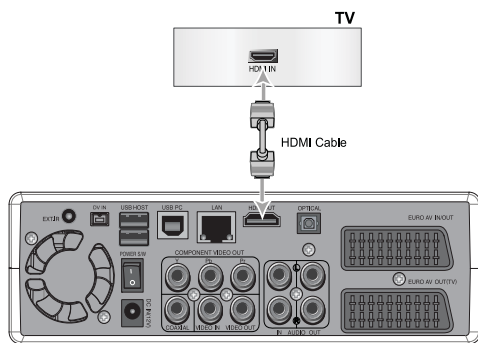
To start and to select Zooming functions

Connection

Rear - Euro Scart Verion

1 Connection to TV

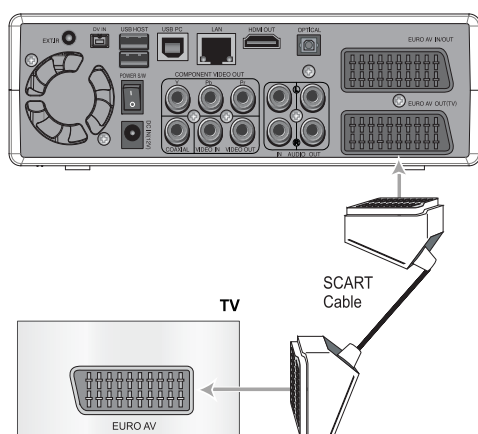
1-1 HDMI



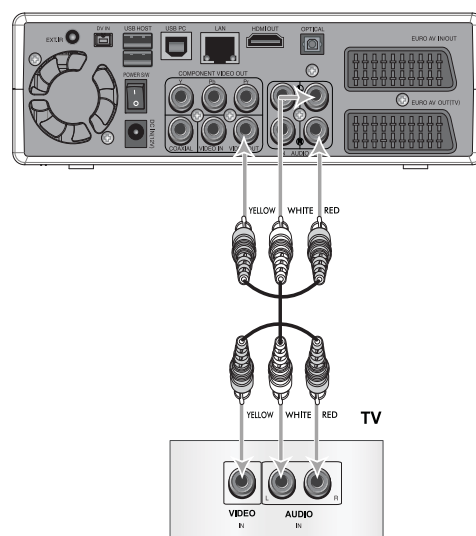
NOTE

• Most of HDMI TV do not support interlaced signal (576i/480i) which is default video output setting in this unit. Please press TV system button on remote control in order to get the right signal when you connect TV with HDMI cable.

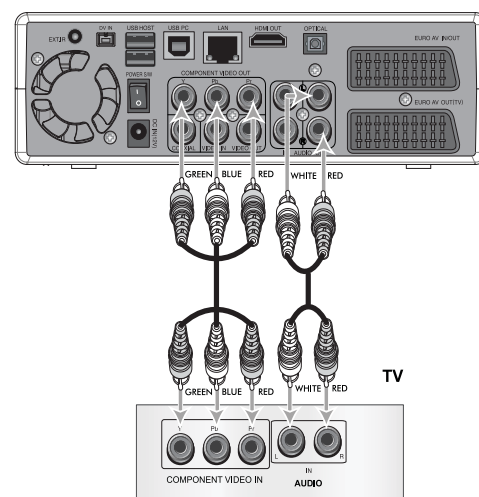
1-2 Scart



1-3 AV (Composite Video and 2ch Audio)



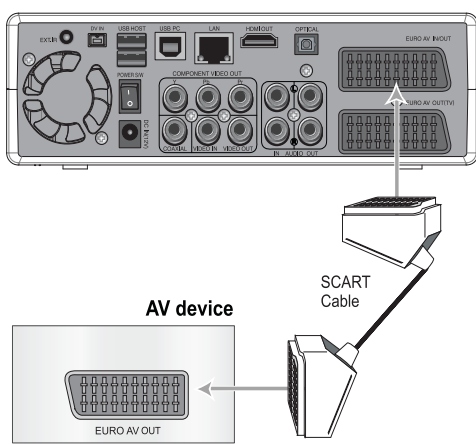
1-4 Component Video and 2ch Audio



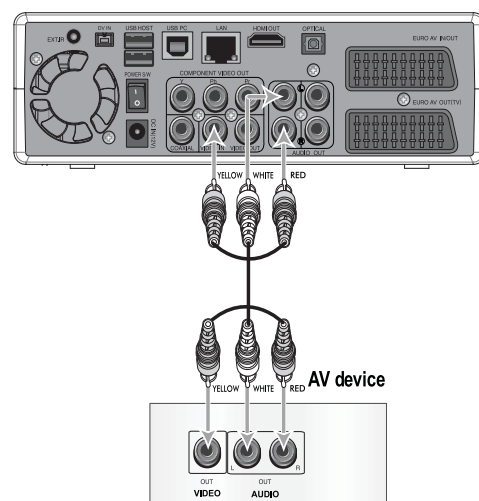
Connection

2 Connection to AV Input with AV device (Satellite, Digital Terrestrial, or Cable Set Top box, VCR etc.)

2-1 Scart Input



2-2 AV Input (Composite Video and 2ch Audio)

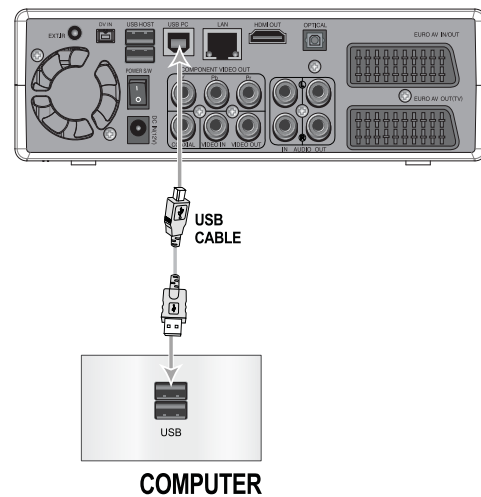
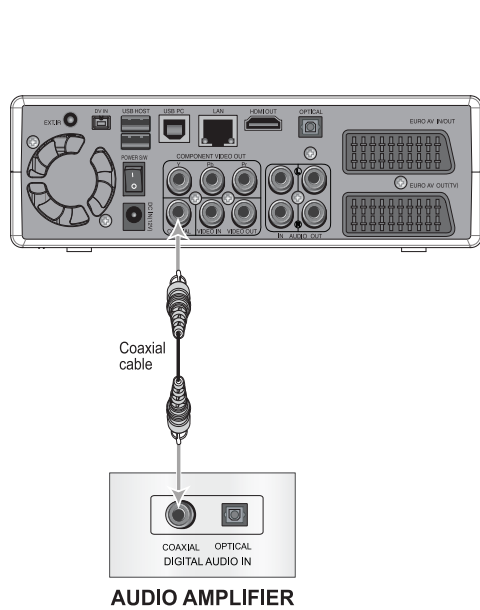


Connection

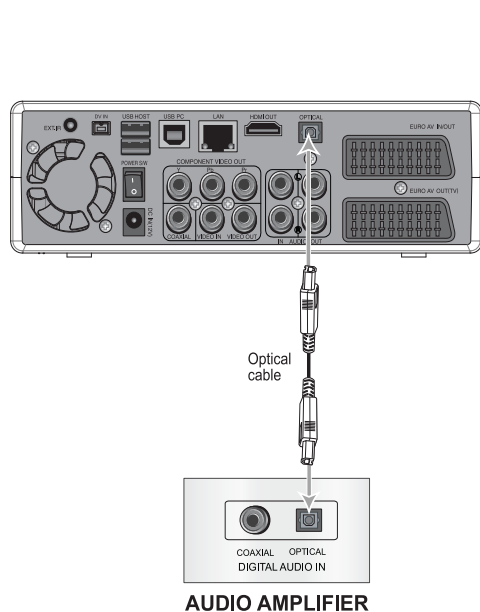
3 Connection to Digital Amplifier

4 Connection to Computer

3-1 Coaxial Audio Out



3-2 Optical Audio Out

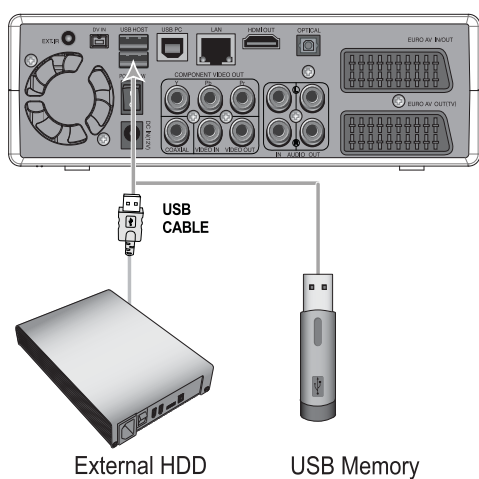


NOTE

- Please connect HMR to USB 2.0 port in order to get the high speed (Upto 480Mbps) file transfer.
- HMR shall work only USB 1.1 speed if it is connected to USB 1.1 port in your computer

Connection

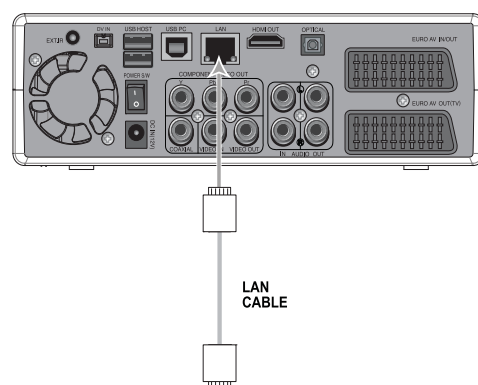
5 Connection to USB external HDD or USB Memory (2 port)



NOTE

- You can also connect the Digital TV USB Dongle and Wireless Dongle which are optional accessories.

6 Connection with LAN

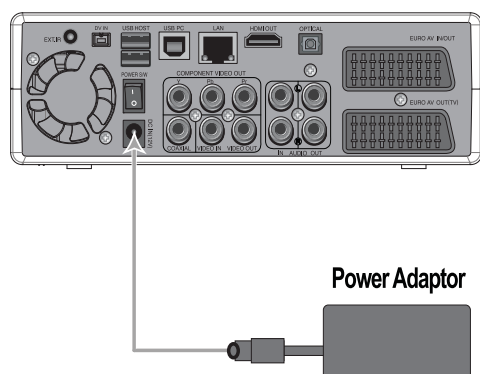


NOTE

- Please refer to Network explanation in Using the SET UP Menu (Network Section)

Connection

7 Connection for Power Adaptor

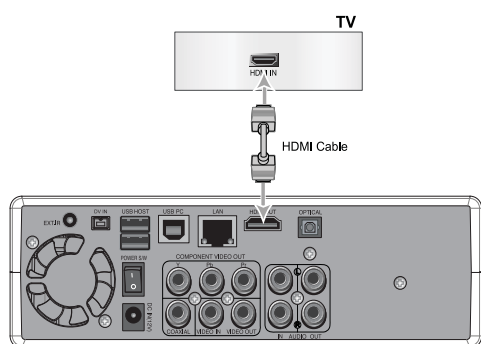


Connection

Rear - Standard Version

1 Connection to TV

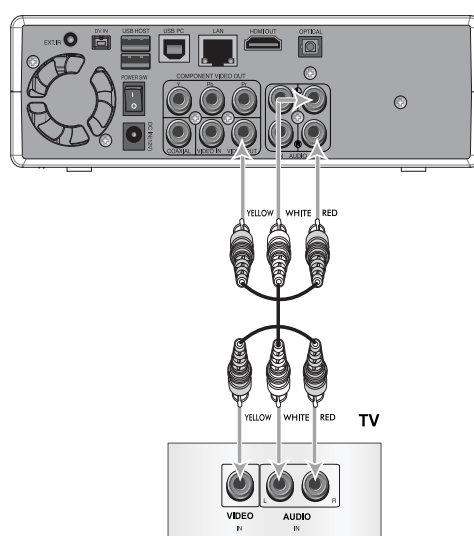
1-1 HDMI



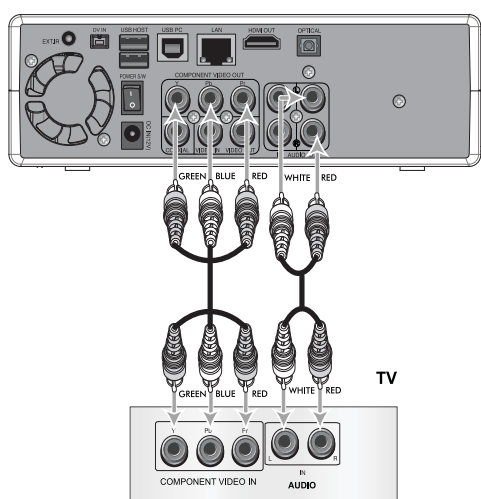
NOTE

• Most of HDMI TV do not support interlaced signal (576i/480i) which is default video output setting in this unit. Please press TV system button on remote control in order to get the right signal when you connect TV with HDMI cable.

1-3 AV (Composite Video and 2ch Audio)



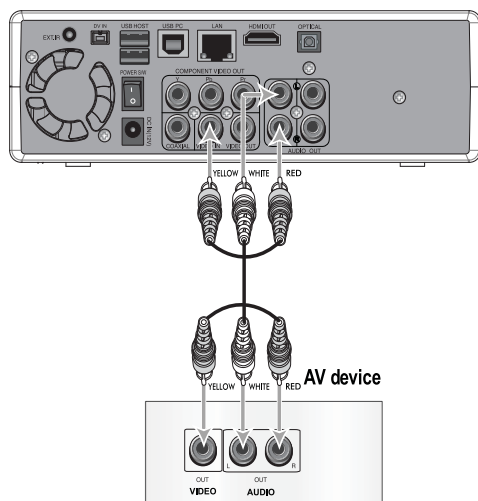
1-2 Component out



Connection

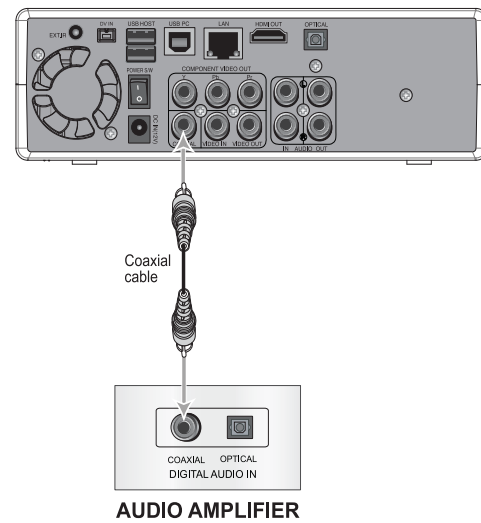
2 Connection to AV Input with AV device (Satellite, Digital Terrestrial, or Cable Set Top box, VCR etc.)

2-1 AV Input (Composite Video and 2ch Audio)

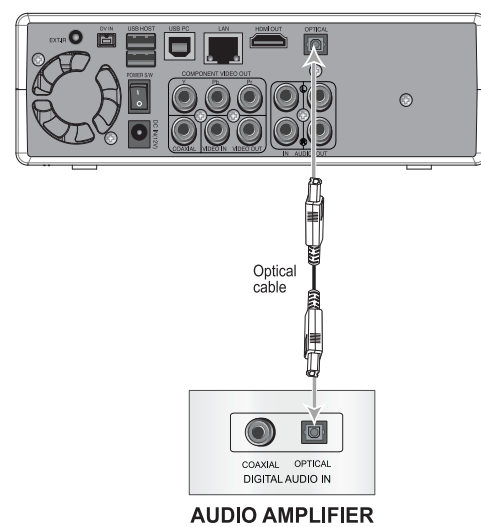


3 Connection to Digital Amplifier

3-1 Coaxial Audio Out

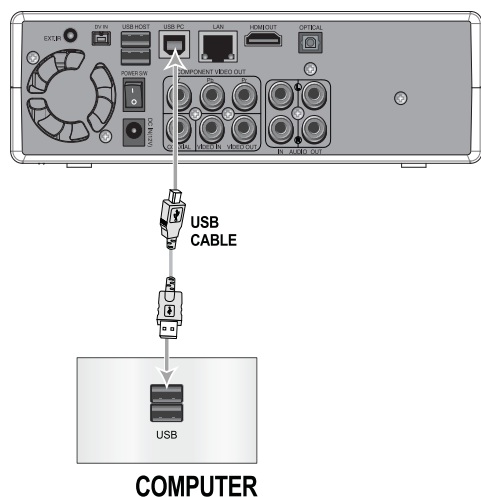


3-2 Optical Audio Out



Connection

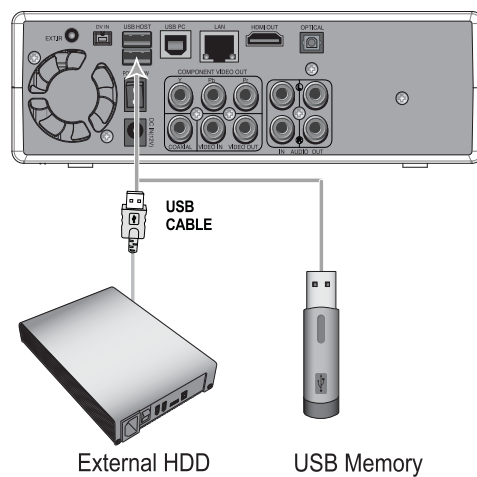
4 Connection to Computer



NOTE

- Please connect HMR to USB 2.0 port in order to get the high speed (Upto 480Mbps) file transfer.
- HMR shall work only USB 1.1 speed if it is connected to USB 1.1 port in your computer

5 Connection to USB external HDD or USB Memory (2 port)

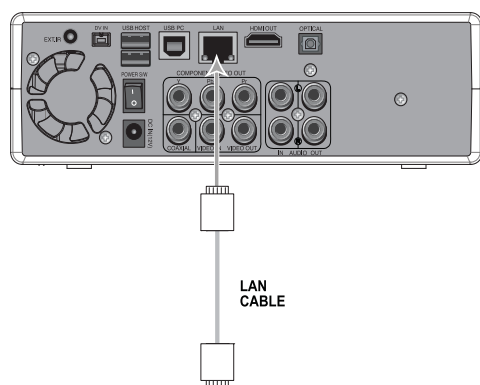


NOTE

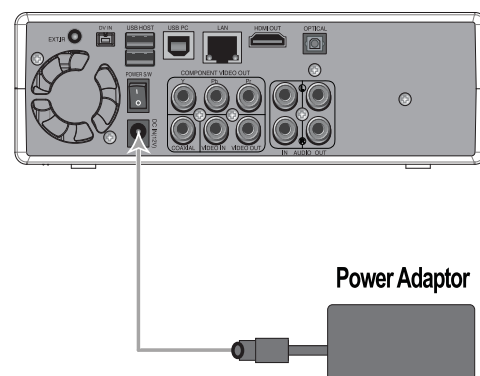
- You can also connect the Digital TV USB Dongle and Wireless Dongle which are optional accessories.

Connection

6 Connection with LAN



7 Connection for Power Adaptor



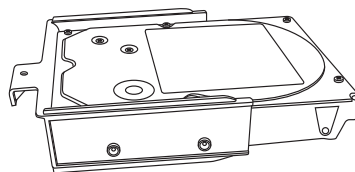
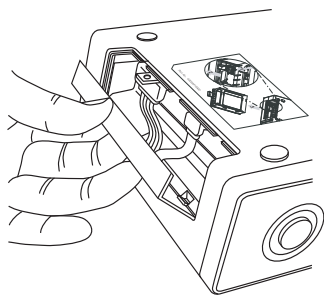
NOTE

- Please refer to Network explanation in Using the SET UP Menu (Network Section)

HDD Installation

HDD Installation

- 1** Turn the unit upside down.
- 2** Open the HDD door case by pressing it down after unscrewing it (only if there is screw fastened)
- 3** Take out the HDD bracket by pressing the push point and pulling the handle out after uncrewing the handle (only if there is screw fastened)
- 4** Push the HDD into the bracket and assemble it with bracket by fastening 4 screws.

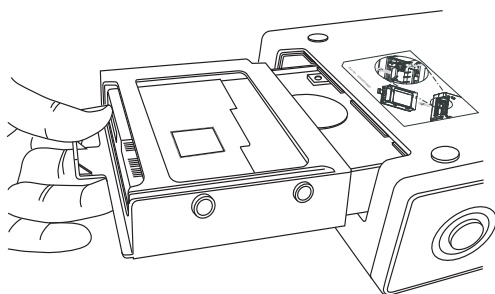


HDD Installation

5 Push the HDD into the bracket and connect power cable and Data cable

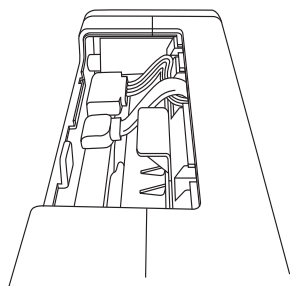
6 Screw the handle of bracket and the unit and close door case.

7 Screw the Door Case and the unit (if necessary)



NOTE

- When you disconnect the cables in order to change HDD, please disconnect them while the holding stick is locked in order to prevent the connectors from damages.



HDD Format

HDD Format

When you turn on the HMR after installing the new HDD or you select HDD Format in Set Up Menu, the following OSD will appear.



Select OK by pressing Enter button in the Remote Control or OK button on the Front Key

NOTE

- Format will erase all the contents and data in the HDD. Please format HDD after back up of important contents and data first.
- The above OSD may not be showed on your TV when it is connected with HDMI cable. In this case, please try again with connecting TV through Scart or RCA cable.

1 Time Shift Buffer Disc Capacity



1-1 Press ▲, ▼ in order to set the Time Shift Buffer time from 1 hour to 4 hours

1-2 Press ► button and select Next by pressing Enter or OK button on the front Key

NOTE

- Selected HDD space for Time Shift buffer can only be used for Time Shift and can not be used any other purpose.

2 Recording & Multimedia Disc Capacity



2-1 Press ▲, ▼ in order to select each capacity of Recording and Multimedia partition.

NOTE

- Recording Partition : the HDD space you can record the contents from AV input such as Set Top box, VCR, Camcorder.
- Multimedia Disc Partition : HDD space you can copy AV files and Photo files. such as ts, tp, avi, mpg, jpg, wma, ogg and so on

2-2 Press ► button and select Next by pressing Enter or OK button on the front Key

HDD Format

3 Selection of Multimedia Disc Space



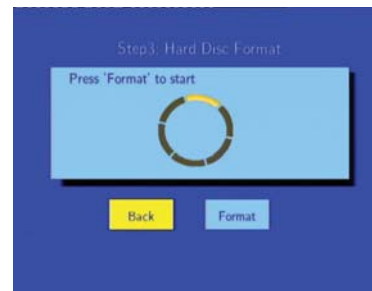
3-1 Press ▲, ▼ in order to select each capacity of FAT32 and NTFS in Multimedia disc space.

3-2 Press ► button and select Next by pressing Enter or OK button on the front Key

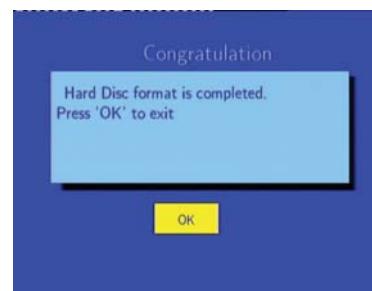
NOTE

• Please refer to the explanation in File System in Before you start part.

4 Format execution



4-1 Press ► button and select Format by pressing Enter or OK button on the front Key, Format will start.



4-2 Select OK button by pressing Enter or OK button on the front Key. Format is completed.

NOTE

• Please do not format again by computer. HMR will consider it as a new HDD if it is connected again.

Initial Setting

Initial Setting

When you have finished HDD format after HDD installation or when you power on the HMR first time without HDD installation, you can set your language, Time or LAN.

- 1 Connect power plug into you socket.
- 2 Connect Adapter one end to adapter in of HMR while the other end to power cord.
- 3 Switch On of the mechanical switch on the rear panel of HMR. HMR will go to Stand by mode.
- 4 Press Power button on your remote control or on front case.
HMR will be Power On from the stand by mode. It may take about 20 seconds.

You can find that the below Initial Setting OSD will show up



- 4-1 Select your language by pressing ▲, ▼ buttons and Enter to execute it.
- 4-2 Set the current date and time by pressing Number button and ▲, ▼ button and press Enter to execute it



- 4-3 Select OK and press Enter when you are asked again. Select Cancel and press Enter if you want to cancel the setting.
- 4-4 Select DHCP IP (Auto) or Fix IP (Manual) according to your IP status by pressing ▲, ▼ button and press Enter to execute it



- If you select DHCP IP (Auto), The IP address will be set according to DHCP in your network
- Select Cancel if you do not have network available or you do not want to set it up now.
- If you select Fix IP (Manual), Set the LAN manually according to your network by pressing Numbers or ▲, ▼ button and press Enter to execute it.



- 4-5 Select OK and press Enter when you are asked again. Select Cancel and press Enter if you want to cancel the setting.

NOTE

- Please refer to the Network setting explanation in this manual for the further information.
- The above OSD may not be showed on your TV when it is connected with HDMI cable. In this case, please try again with connecting TV through Scart or RCA cable.

GUIDE Menu

You can enjoy HMR very easily by simply pressing Guide button on your remote control or on front key



1 Browser
Select it if you want to play and edit AV files in the device connected in HMR.

2 REC List
Select it If you want to play and edit your recorded titles

3 File Copy
Select it If you want to make file copy from various source to various target connected in HMR

4 Video In
Select it if you want to make the recording from AV equipment that is connected to HMR through AV Input

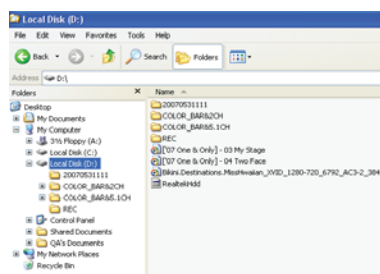
5 Set Up
Select it if you want to change the system set up.

File Copy

As an External HDD - Connecting HMR to PC through USB target Port

You can enjoy HMR as an external HDD
Before you connect HMR to computer, it is recommended to stop all the function and turn the power off first to go to Stand by mode

- 1 Connect HMR to your computer with USB cable (the shape of each ends is different as A and B type)
- 2 After connection, turn the power on
- 3 Double click the icon 'My computer' in your computer and you will see the newly created drive.



NOTE

- Drive name can be different depending on each computer
- Please connect HMR to USB 2.0 port in order to get the high speed (Upto 480Mbps) file transfer. HMR shall work only USB 1.1 speed if it is connected to USB 1.1 port in your computer

- 4 You can copy the AV contents by computer to HMR as an external HDD drive

* FAT 32 has the limit of one file size less than 4GB. If you want to copy the file of which size is Over the limit, please copy it to the drive with NTFS partition or please split the file to the limited size with utility program (such as MPEGtoHDTV in accessory CD)

- 5 Turn power off after finishing the connection with computer and Turn on again after connecting with TV
- 6 You can connect USB cable while HMR is running. You can see the below OSD Menu when HMR is connected as an external HDD.



- 6-1 Select OK by pressing ◀, ▶ button and press Enter button to execute it.

- 6-2 Select Cancel by pressing ◀, ▶ button and press Enter button to cancel it.

HMR will go the external HDD mode and OSD on TV screen will disappear.
HMR will go back to the normal mode if you stop the external HDD mode by disconnecting USB Cable.
In this case, please turn Power off and On again of HMR.

File Copy

As a Host - Multi way file copy

You can enjoy the multi way file copy among installed HDD (Source & Destination), LAN (Source Only) and USB storage (Source & Destination)

NOTE

- Source : the source you can copy from
- Destination : the target you can copy to

Please make sure first that USB and LAN connection is made correctly.

1 Press Guide button on Remote Control or on front key

2 Press ◀, ▶ button and select File Copy by pressing Enter or OK button on the front Key



3 Press ▲, ▼ in order to select the original source form USB, HDD and NET by pressing Enter button



4 Cursor will go to the right Destination table.



5 Press ▲, ▼ in order to select the target form USB, HDD and RECYCLE by pressing Enter Button

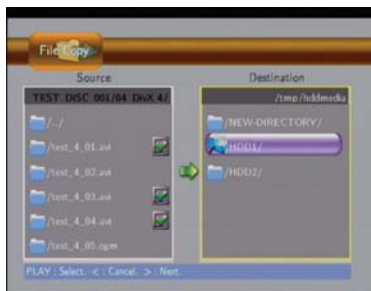
6 Cursor will go to the next step to the sub directory page.

7 Press ▲, ▼ in order to select the file or folder you want to copy and press REC button on the file or folder. You can select multi files.

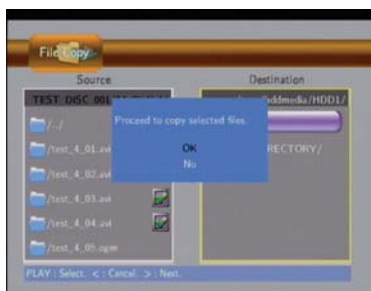


File Copy

- 8 Press ► button to go to Destination directory



- 9 Press ▲, ▼ in order to select the destination directory you want to copy to and Press --> button to execute the copy.



- 10 Select OK to execute or No to cancel.

NOTE

- The file system of destination should be FAT32. Copy is not available with the destination storage having any other file system.

Recording

Please make sure that recording device (HDD or USB storage) is connected well and it has enough free space for recording.

You can record AV contents from various AV device such as Set Top box, Camcorder and VCR.

You can record them to installed HDD or USB connected storage which has FAT32 file system.

The default recording target is installed HDD.

Please change Record Device to USB in Set Up menu (Record section) if you want to record into USB connected storage.

Recording Quality

The default recording quality is SP (Standard Play). It can be changed in Set Up Menu (Record section)

Recording Mode		Average Bitrates (Video)	Resolution (PAL)	Resolution (NTSC)	Audio Format
HQ	High Quality	1,096 KB/s	720x576	720x480	48KHz stereo, 256Kbps
SP	Standard Play	549 KB/s	720x576	720x480	48KHz stereo, 256Kbps
LP	Long Play	355 KB/s	720x576	720x480	48KHz stereo, 256Kbps
EP	Extended Play	257 KB/s	352x576	352x480	48KHz stereo, 256Kbps
SLP	Super Long Play	178 KB/s	352x576	352x480	48KHz stereo, 192Kbps

NOTE

• The above data is only for the reference and can be different from the real situation.

Recording

Basic Recording (Scart version)

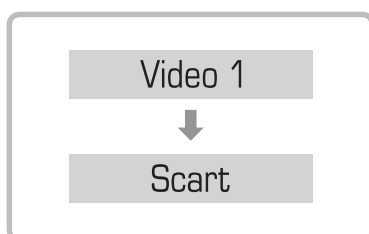
Each source is showing on the top right corner of TV Screen.

1 Press Guide button on Remote Control or on front key

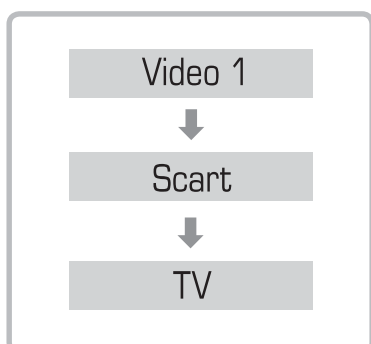
2 Select Video In by pressing ◀, ▶ button and press Enter button on Remote Control or OK button on Front Key



3 Press Source button to choose the A/V source you want to record. Every time this button is pressed, the A/V source is changed :



If you set the TV in activated in the Set Up Menu ('Recording from TV' section) in order to record directly from TV. AV input will toggle as below



4 Press REC button to start your recording.



5 Press PAUSE button if you want to stop the recording for a short while.

6 Press REC button to continue recording.

7 Press STOP button to stop your recording.

If Set Up Box (Terrestrial, Satellite or cable) is connected to AV input of HMR, you can record the TV program. In this case, you should use Channel up and down button or remote control of set top box in order to change the TV channels.

Recording

Basic Recording (Standard version)

- 1 Press Guide button on Remote Control or on front key
- 2 Select Video In by pressing ◀, ▶ button and press Enter button on Remote Control or OK button on Front Key



- 3 Press Source button to choose the A/V source you want to record. Every time this button is pressed, the A/V source is changed :

Video 1

Each source is showing on the top right corner of TV Screen.



- 4 Press REC button to start your recording.



- 5 Press PAUSE button if you want to stop the recording for a short while.

- 6 Press REC button to continue recording.

- 7 Press STOP button to stop your recording.

If Set Up Box (Terrestrial, Satellite or cable) is connected to AV input of HMR, you can record the TV program. In this case, you should use Channel up and down button or remote control of set top box in order to change the TV channels.

Recording

OTR (One Touch Recording)

During basic recording, Press REC button. Each time you press REC button, Recording time changes 30 min., 60 min., 90 min., 120 min., 180 min., 240 min. and Off.

Simultaneous Recording and Playback

While recording, you can playback recorded contents and most of AV files except HD AV files.

- 1 Press REC button to start your recording in Video In mode. (Please refer to Basic Recording part in the Manual)
- 2 Press Guide button on Remote Control or on front key
- 3 Select the sources and then select files after browsing them you want to playback. (Please refer to the GUIDE MENU part in the Manual)
- 4 Press Stop button to stop the playback
- 5 Press Guide Button on your remote control and front key
- 6 Select Video in by pressing Enter button on your remote control or OK button on front key
- 7 Go to Video In mode in you are recording by pressing source button on your remote control
- 8 Press Stop button on your remote control to stop the recording.

Recording From Digital Camcorder

You can record from Digital Camcorder enjoying the control by HMR remote control when it is connected in DV Input.

- 1 Connect your digital camcorder to DV input in HMR.
- 2 Turn On the power of Camcorder
- 3 Press DV key on your remote control of HMR.



You can playback, Pause, Stop, Fast Rewind and Fast Forward by HMR remote control. OSD key bar will be on and off by pressing DV key on the remote control.

- 4 Press Play key on your remote control to let the camcorder playback.
- 5 Press REC button from the point you want to record.
- 6 Press Stop button at the point you want to stop recording.
- 7 Press Return button if you want to go out from DV input mode.

NOTE

• Recording from DV input is only available to installed HDD. It is not available to USB storage.

Recording

Recording and Time Shift from TV

You may record or enjoy time shift from TV directly. It is only available with TV which has AV output function through Scart and Scart version of this unit. Please check if your TV is supporting it first.

- 1** Go to the Set up Menu and change the TV input On (refer to the Set Up Menu, Video setting in this manual) Your TV is not supporting AV out function through Scart If you face the distortion of audio or video on your TV after changing it. You can not use this function with your TV in this case.
- 2** Connect with an scart cable from EURO AV OUT (TV) in HMR to TV Scart Input
- 3** While selecting the TV channel by TV remote control, Go to AV In in the Guide Menu
- 4** Press SOURCE button on remote control. You can find TV In source while pressing it (Video 1 -> TV IN -> Scart)
- 5** Go to TV In mode where you can find the TV channel you selected by TV remote control.
- 6** Press Record button on your remote control while you are watching TV if you want to record. Press TIMESHIFT Button if you want to enjoy time shift function.
- 7** Press Stop button on your remote control if you want to stop.
- 8** Channel Change
 - 8-1** Press TV/HMR button on your remote control in order to go to TV mode in your TV.
 - 8-2** Change the channel by TV remote Control.
 - 8-3** Press TV/HMR button again in order back to Scart AV mode in your TV.
 - 8-4** You can record, enjoy the time shift again.

* If you can not go to Scart AV mode by pressing TV/HMR, please change it by TV remote control to go to Scart AV mode.

How to see the recorded contents

- 1** Recorded contents in installed HDD
 - 1-1** Press Guide button on Remote Control or on Front key
 - 1-2** Select REC List by pressing ◀, ▶ button and press Enter button on Remote Control or OK button on Front Key



2 Recorded contents in USB storage

Please make sure first if the recording device is USB in the Set Up menu (Please refer to the Record Section In this manual)

- 2-1** Press Guide button on Remote Control or on Front key
- 2-2** Select Browser by pressing ◀, ▶ button and press Enter button on Remote Control or OK button on Front Key

Please make sure your if USB storage is connected to HMR correctly

- 2-3** Select USB by pressing ▲, ▼ button and press Enter button on Remote Control or OK button on Front Key
- 2-4** Select Movie by pressing ◀, ▶ button
- 2-5** Select the correct Partition by pressing ▲, ▼ and press enter on Remote Control if you have multi partitions in USB Storage (If you have only one partition in it, please disregard this step)
- 2-6** Select /REC/ directory by pressing ▲, ▼ and press Enter on Remote Control
- 2-7** You can see the recorded contents in mpg files in the /REC/ directory



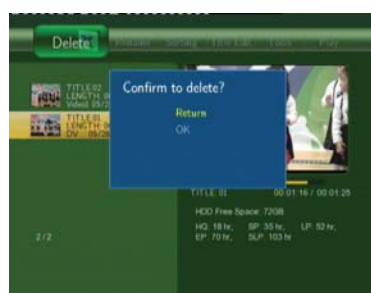
Editing

You can enjoy various editing function on the contents

Editing recorded contents in HDD (in UDF Partition)

1 Delete

- 1-1 Press Guide button on Remote Control or on Front key
- 1-2 Select REC List by pressing ◀, ▶ button and press Enter button on Remote Control or OK button on Front Key
- 1-3 Go to Delete by pressing ◀, ▶ button and recorded Title list will show up.
- 1-4 Select REC List you want to delete by pressing ◀, ▶ button and press Enter button on Remote Control or OK button on Front Key



- 1-5 Select OK you want to delete by pressing ▲, ▼ button and press Enter button on Remote Control or OK button on Front Key

- 1-6 Select Return you do not want to delete by pressing ▲, ▼ button and press Enter button on Remote Control or OK button on Front Key

2 Rename

- 2-1 Press Guide button on Remote Control or on Front key
- 2-2 Select REC List by pressing ◀, ▶ button and press Enter button on Remote Control or OK button on Front Key
- 2-3 Go to Rename by pressing ◀, ▶ button and recorded Title list will show up.



- 2-4 Select REC List you want to Rename by pressing ▲, ▼ button and press Enter button on Remote Control or OK button on Front Key
The following virtual key board will show up.



2-5 Select the letter and number by pressing ◀, ▶, ▲, ▼ and enter one by one until you finish the new name.

2-6 Select OK and Press Enter button after finishing the renaming

2-7 You can see the name has been changed on the title in the list.



3-5 Press ▲, ▼ button to select the condition you want to sort the titles.



3 Sorting

You can sort the recorded titles based on Title Number, Recording Time, Title name and playback.

3-1 Press Guide button on Remote Control or on Front key

3-2 Select REC List by pressing ◀, ▶ button and press Enter button on Remote Control or OK button on Front Key

3-3 Go to Sorting by pressing ◀, ▶ button and recorded Title list will show up.

3-4 Press Enter key on your remote control then the following sorting OSD will show up

- Return : You go back without sorting the titles.
- Title number : Smaller number is showing at higher position in the list
- Recording Time : Newer is showing at higher position in the list
- Title name : Title list shows in alphabetical order
- Fresh title : The titles you have not played back is showing at the higher position

3-6 Press Enter button the condition you want to sort the titles.

4 Title Edit

You can edit the each recorded title in various way.

4-1 Press Guide button on Remote Control or on Front key

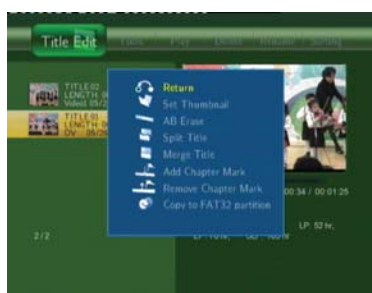
Editing

4-2 Select REC List by pressing ◀, ▶ button and press Enter button on Remote Control or OK button on Front Key

4-3 Go to Title Edit by pressing ◀, ▶ button and recorded Title list will show up.

4-4 Press Enter key on your remote control after selecting the title you want to edit by pressing ▲, ▼ button on your remote control.

4-5 The following edit menu OSD will show up



4-6 Press ▲, ▼ button to select what you want to edit the title and then press Enter button to execute it.

- a. Return : You go back without editing the title.
- b. Set Thumbnail : You can change the thumbnail picture of the title.



1 Press Play, ◀◀ and ▶▶ button on remote control to find the frame of picture you want to use as thumbnail picture of the title.

2 Press Pause button where you find it

3 Select Confirm or Cancel by pressing ◀, ▶ button and Press Enter button on your remote control.

c. AB Erase : You can select the part of title and delete it.



1 Choose the starting point you want to erase from by pressing Enter button on SET A while watching the title by pressing Play, ▶▶ and ◀◀ button.



2 Choose the ending point you want to erase to by pressing Enter button on SET B while watching the title by pressing Play, ▶▶ and ◀◀ button.

Editing



- 3 Select Confirm or Cancel by pressing ◀, ▶ button and Press Enter button on your remote control.
- 4 Select OK to execute it or Return to go back to the Title edit menu when you are asked again by showing up OSD.

d. Split Title : You can split a title into 2 titles.

- 1 Choose the point you want to split on by pressing Enter button after selecting Confirm by pressing ◀, ▶ button while watching the title by pressing Play, ◀◀, ▶▶ and Pause button.



- 2 You shall go back to the title list automatically and find the split title in the list.

NOTE

• It may not be working if the title is too short.

e. Title Merge : You can merge a titles with next title.

- 1 Select the title in the list under Title Edit you want to merge with the next title and press Enter button to show up Title Edit menu.
- 2 Press Enter button on Merge Title.



- 3 Select Confirm or Cancel by pressing ▲, ▼ button and Press Enter button on your remote control.
- 4 You can see an merged title.

NOTE

• Please locate the 2 titles consecutively by using Sorting function if you want to merge the 2 titles that is not located consecutively.

f. Add Chapter Mark : You can add the chapter mark in the title in order to move quickly by using ◀◀, ▶▶ button during Playback



Editing

- 1 Choose the point you want to add it on by pressing Enter button ◀,▶ after selecting ADD by pressing button while watching the title by pressing Play, ◀◀, ▶▶ and Pause button.
- 2 You can find new Chapter Mark (▶) on the points you have added the Chapter Mark.
- 3 Select RETURN by pressing ◀,▶ button and press Enter button to go back to the Title list.

g. Remove Chapter Mark : You can remove the chapter mark in the title.

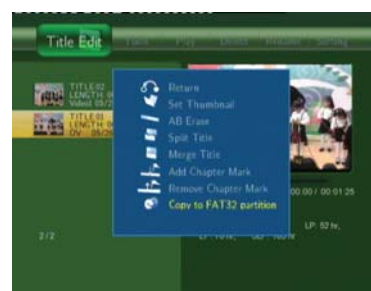


- 1 Choose a section where you want to delete a Chapter by pressing Enter button after selecting DELETE by pressing ◀,▶ button while watching the title by pressing Play, ◀◀, ▶▶ and Pause button.
- 2 You can find the chapter mark (▶) is being deleted.
- 3 Select RETURN by pressing ◀,▶ button and press Enter button to go back to the Title list.

h. Copy to FAT32 Partition

In order to have the easy file transfer with Computer, you can copy your recorded and edited contents to FAT32 partition. After copying, you can find xxxx.mpg file in the HDD.

- 1 Select the title in the list under Title Edit you want to copy to FAT32 partition and press Enter button to show up Title Edit menu.
- 2 Press Enter button on Copy to FAT32 Partition



- 3 You can find Complete OSD shortly on the left-top corner of TV screen when it is done



- 4 You can see the copied title in HDD as an MPG file in the automatically created directory /rec/ when browsing AV files in installed HDD.
(Please refer to the Brower explanation in Playback in this manual).

NOTE

- File name shall be made according to the time setting on HMR. (Set Up Menu time setting) ex) 20070521_1415.mpg when it is copied to FAT32 partition on 14:15 May 21, 2007.
- Copy Speed : The copy time is depending on the file size and you can find the estimation time in the below table.
- If you copy the title more than 4GB, It will be split automatically in multi files due to the limit of single file size is under 4GB in FAT32. Therefore, you can find multi files when you browse it by computer connecting HMR as an external HDD while it will be showed as single file if you browse it in HMR by remote control.
- The estimated Recording length for single file shall be the following table

Recording Mode	Size per second	Average Bitrates (Video)	Estimated Single File Limited Time (4GB)	Resolution (PAL)	Resolution (NTSC)	Audio Format
HQ	9.5 Mbps	1,096 KB/s	48 Minutes	720x576	720x480	48KHz stereo, 256Kbps
SP	5.1 Mbps	549 KB/s	96 Minutes	720x576	720x480	48KHz stereo, 256Kbps
LP	3.5 Mbps	355 KB/s	154 Minutes	720x576	720x480	48KHz stereo, 256Kbps
EP	2.5 Mbps	257 KB/s	202 Minutes	352x576	352x480	48KHz stereo, 256Kbps
SLP	1.7 Mbps	178 KB/s	298 Minutes	352x576	352x480	48KHz stereo, 192Kbps

NOTE

- The above data is only for the reference and can be different from the real situation.

You can delete all in your REC List in one time

5 Tools (Delete All)

5-1 Press Guide button on Remote Control or on Front key

5-2 Select REC List by pressing ◀, ▶ button and press Enter button on Remote Control or OK button on Front Key

5-3 Go to Tools by pressing ◀, ▶ button and recorded Title list will show up.

5-4 Press Enter key on your remote control and the following OSD will show up

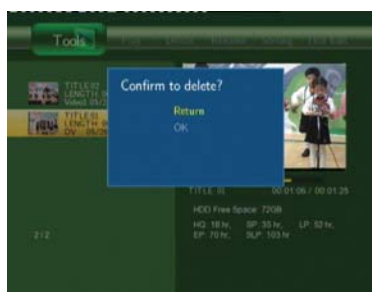
5-5 The following edit menu OSD will show up



Editing

- 6** Press ▲, ▼ button to select what you want to proceed and then press Enter button to execute it.

- Return : You shall go back without editing the title.
- Delete All Title : You can delete all recorded titles in the REC list in one time.



- Select OK by pressing ▼ button and press Enter to execute it.
- Select Return to go back to the list

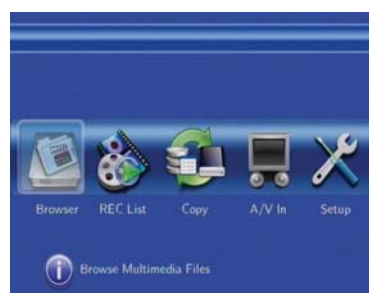
NOTE

• If you delete all the recorded title in the REC list, you can not undo it. It is recommended that you do the back up the important title with copy them to FAT32 partition, LAN, or USB storage before deleting all the titles.

Editing AV File (in FAT32 File System)

You can edit the AV files in installed HDD in HMR, USB external HDD and USB Memory. Please make sure file system of USB storage is FAT32. If it is NTFS system, please edit it by computer.

- 1** Press Guide button on Remote Control or on Front key



- 2** Select Browser by pressing ◀, ▶ button and press Enter button on Remote Control or OK button on Front Key

- 3** Select a type of AV file you want to edit from Music, Movies and Photo by pressing ◀, ▶ button
Selected type will be enlarged. Only selected type of AV files will be shown on the TV screen.

You can change it only in root directory so that please go to the root directory first if you want to change it by pressing ▲, ▼ button.

- 4** Select the device where the required files are located from USB, HDD and NET by pressing ▲, ▼ button.
Press the Enter button on your remote control or OK button on front key.

Editing

- 5 Select the directory where the required files are located in the directory list by pressing ▲, ▼ button. Press the Enter button on your remote control or OK button on front key.
- 6 Select the file you want to edit by pressing ▲, ▼ button
- 7 Press Edit button on your Remote Control. The following OSD will show up.



7-1 Return : You can go back without editing

7-2 Rename : You can change the file name

- 1 Select Rename by pressing ▲, ▼ button and press Enter to execute it. Virtual keyboard will show up.



- 2 Select the letter and number by pressing ◀, ▶, ▲, ▼ and enter one by one until you finish the new name.
- 3 Select OK and Press Enter button after finishing the renaming
- 4 You can see the file name has been changed in the list.

7-3 Delete : You can delete the file.

- 1 Select Delete by pressing ▲, ▼ button and press Enter to execute it.



- 2 Select Delete by pressing ▲, ▼ and enter one by one until you finish the new name.
- 3 OSD will show up to ask again. Select OK to execute it or Select Return to cancel it.

Time Shift

Time Shift

When Set Top box (Terrestrial, Satellite or Cable) is connected to AV input of HMR, You can enjoy Time shift function.

1 Press Guide button on Remote Control or on front key

2 Select Video In by pressing ◀, ▶ button and press Enter button on Remote Control or OK button on Front Key

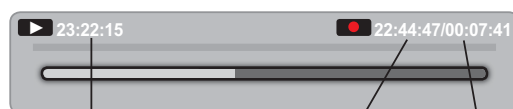


3 Press Source button to choose the A/V source you connect Set Top box.

4 Press TIMESHIFT button on your Remote Control at the point you want to start it. Live TV will be paused. Press Play button in order to let the program go forward.



5 During the time shift, you can find the follow Timeshift Bar.



Current Viewing Time
in the Timeshift section

Timeshift Starting Time

Real time

6 You can enjoy various following functions in Timeshift section by pressing buttons on your remote control.

6-1 ◀◀ : Fast Backward 1.5x, 2x, 4x, 8x, 16x, 32x Speed

6-2 ▶▶ : Fast Forward 1.5x, 2x, 4x, 8x, 16x, 32x Speed

6-3 ◀ : Jumping backward to the Time Shifting starting point.

6-4 ▶ : Jumping forward to the real time.

6-5 Pause : Pausing the playback

6-6 Instant Play : Jumping backward to 10 sec.

6-7 CM Skip : Jumping forward to 30 sec.

6-8 Display : Showing and hiding Timeshift Bar

Time Shift

NOTE

- If you are at the end of Timeshift section by pressing **▶▶** button, Timeshift bar will disappear and some of above key is not working except **◀◀**, Instant Replay, Pause.

7 Press Stop button in order to stop the Timeshift.

8 Permanent Timeshift

You can set the Permanent Timeshift On in the Set Up Menu (Please refer to explanation in this manual set up menu record section) In this case, Timeshift will start automatically when you enter the Video In Mode.

NOTE

- Timeshift is not recording so that the buffering data will not remain after finishing it. Please use recording function if you want to watch it after stop.

Playback

AV File Playback

You can play back various Audio, Video and Photo files in installed HDD, USB Storage and Network. Please check first the supported format guide in before you start section.

1 Press Guide button on Remote Control or on Front key

2 Select Brower by pressing ◀, ▶ button and press Enter button on Remote Control or OK button on Front Key



3 Select a type of AV file you want to play back from Music, Movies and Photo by pressing ◀, ▶ button. Selected type will be enlarged. Only selected type of AV files will be shown on the TV screen.

You can change it only in root directory so that please go to the root directory first if you want to change it by pressing ▲, ▼ button.

4 Select the device where the required files are located from USB, HDD and NET by pressing ▲, ▼ button.

Press the Enter button on your remote control or OK button on front key.

5 Select the directory where the required files are located in the directory list by pressing ▲, ▼ button.

Press the Enter button on your remote control or OK button on front key.



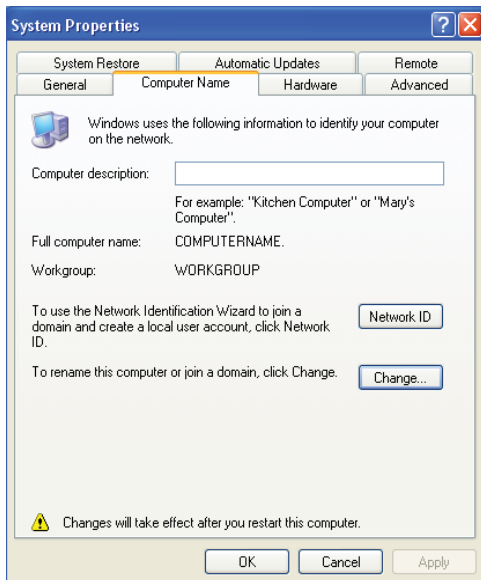
6 Select your required file by pressing ◀, ▶ button and press Enter button to playback in full screen

7 AV files Playback in network computers

You can enjoy the AV files playback in your network computer without copying them into this unit. Make sure that your network connection is correct first in Network part in Using Set Up menu section. Please check also Workgroup name and Full Computer Name in your computer because they will be shown as folder names. Go to My computer and select 'Property' after pressing right button on the mouse.

Select Computer name tap and the you can find the names as below;

Playback



7-3 You can find the same name of 'Full Computer Name' you set in your computer. It can be any name like 'Computername' in below picture



7-4 Select the folder you shared in the computer and enjoy the AV files.

7-1 You can find the same name of 'WORKGROUP' names of the computers in the network. It can be MSHOME, WORKGROUP or any other name according to user's setting in the computer.



7-2 Select the WORKGROUP name which you want and press Enter button.

7-5 Transcode Server

You may enjoy some of AV files through LAN playback which this unit do not support directly such as wmv, asf, mkv, h.264 in case that the proper codec are installed in your PC. It is also very much depending on the each file's characteristic so that some of AV files may not be supported.

- ① Install the Transcode Server (Real Time transcoding utility) program into your computer in the accessory.
- ② Make it active in your computer.
- ③ Select the AV files in network computers you want to enjoy.

Playback

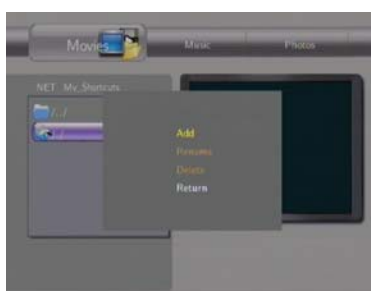
8 LAN playback in My Shortcuts

You can connect to computer directly with LAN cable or via router for sharing the folder and files. You can set them to be shown in My_Shortcuts directory



8-1 Set Up

Press the EDIT button on your remote controller in MY_Shortcuts directory. You can add, rename or delete the IP address in the network



If your LAN condition is in the intranet , more than one IP address can be added and you can easily enjoy the files you want to play back in the sharing folder of all the computers connected through the LAN.

8-2 Network Browser

After selection of add item, you can browse a network by typing the specific IP address your computer is connected to.



1 Net User ID

Enter and then type your user ID if assigned. You can skip it without typing anything also.

2 Net Password

Enter and then type you password if registered. You can skip it without typing anything also.

3 Specific File Server IP

Type the IP address as your computer you want to connect

After going out from the Network Browser, you can see the IP address you typed. Please browse network in the directory named IP address. If you find the sharded folder, you are connected to LAN successfully

9 Subtitle File

This unit support most subtitile files such as smi, ssa, srt.

9-1 Subtitle On or OFF

Press SUBTITLE button on the remote control during Playabck to set subtitle On or OFF.

Default setting is On.

9-2 Subtitle Size

During the playback, you can adjust the size of subtitle by pressing ► button for bigger size or ◀ button for smaller size.

9-3 Location change

During playback, press ▲ button on remote control for moving upward or ▼ for moving down.

9-4 Color change

You can change the subtitle color by pressing ENTER button on remote control. The default color is White.

Recorded Title Playback

- 1 Press Guide button on Remote Control or on Front key
- 2 Select REC List by pressing ◀, ▶ button and press Enter button on Remote Control or OK button on Front Key



Please refer to the following descriptions for the above OSD.














Display	Description
Picture ()	Thumbnail Picture
TITLE:03	Title Number is 03
LENGTH : 00:00:03	Title Length is 0 hour 0 minutes 3 seconds
Video 1	Recording Source is Video 1
05/30/2007	Recorded date is May 30, 2007
22:35:26	Recorded Time is 10:35:26 PM
☆	It is not played back yet after recording
HDD Free Space : 72 GB	It shows only the free space in UDF partition excluding FAT32 Partition
HQ:18hr, SP:35 hr, LP:52 hr, EP:70hr, SLP:103 hr	It shows how many hour you can record in free space in HDD (UDF partition)

- 3 Select the title in Recorded title list by pressing ▲, ▼ button and press Enter button to make it play back in full screen.

Playback

Advanced Playback

1 You can enjoy the following advanced playback with your remote control while playback.

Icon in RCU	Name	Description	Recorded Title Playback	AV file Playback		
				Video File	Audio File	Photo File
	Previous	Jump back to	Previous chapter	N/A	N/A	Previous file
	Next	Jump to Next	Chapter	N/A	N/A	Next File
	Reverse Scan	Fast backward	1.5x, 2x, 4x, 8x, 16x, 32x, 1x	1.5x, 2x, 4x, 8x, 16x, 32x, 1x	2x,4x,8x,16x, 1x	N/A
	Forward Scan	Fast forward	1.5x, 2x, 4x, 8x, 16x, 32x, 1x	1.5x, 2x, 4x, 8x, 16x, 32x, 1x	2x,4x,8x,16x, 1x	N/A
	CM Skip	Jump forward to	30 seconds	30 seconds	N/A	N/A
	Instant Relay	Jump backward to	10 seconds	10 seconds	N/A	N/A
	Slow	Go slowly at	3/4x, 1/2x, 1/4x, 1/8x, 1/16x, 1x	3/4x, 1/2x, 1/4x, 1/8x, 1/16x, 1x	N/A	N/A
	Audio	Showing Audio information and change audio if there are multi audio tracks in the contents.			N/A	N/A
	Subtitle	Showing Subtitle information and change it if there are multi subtitles.			N/A	N/A
	Repeat	Repeat playback	Title, Chapter, Off	Title, Off	File, List all, Off	N/A
	A-B	Repeat specific section.	A: Starting point, B: ending point, OFF	N/A	N/A	N/A
	Zoom	Zoom the screen by	2x, 3x, 4x, 8x and 1x		N/A	2x,4x,8x, Fit
	Display	Showing the information	Source device, Title number, time past, Time Bar	Source device, Index No, time past, File name	N/A	Source, Title No. File Name

NOTE

• Some of the functions may not work depending on the file format.

2 Slide Show with Background Music

You can select Music file first and select the photo directory and press Play button where you want to have slide show by Browsing Menu.

Using Set Up Menu

Press Guide button and select Set Up Menu by pressing Enter button

Video



1 Aspect Ratio



If you have a widescreen TV, select the "16:9 Wide" setting.

If you have a conventional TV, choose either "4:3 Letter Box" or "4:3 Pan Scan".

In Letter Box mode, the widescreen files are shown with black bars at the top and bottom of the screen. Pan Scan chops the sides off widescreen material to make it fit to the 4:3 screen (so even though the picture looks larger on the screen, you are actually seeing less of the movie screen).

2 TV input-Scart version only

You can select On and Off. If it is On, It set EURO AV Out (TV) to Euro AV In and out so that recording and time shift may be available from TV. Please make sure it works only with TV support AV out form Scart AV as well as AV In.



3 Decoder-Scart version only

You can select On and Off. Please set it on only you connect decoding box to Euro AV In/Out.



Using Set Up Menu

4 Video Output

You can change Video Output



4-1 Component

Please change it if you connects HMR to TV with Component Cable(Y. Cb, Cr).

4-2 Scart

Please change it if you connects HMR to TV with Scart Cable (RGB).

* Composite Video is always available in both setting.

NOTE

- Please be careful that you may not see the Video signal if you set wrongly. It is recommend not to change it. If you can not see the video signal after changing it, please press TV System button on remote control until you get the right video signal.

Using Set Up Menu

Record



1 Quality

You can change the default recording quality in HQ, SP, LP, EP and SLP. Please refer to the recording section Explanation



2 Auto Chapter

You can change the length of auto chapter for recording title from Off, 15 minutes, 20 minutes, 30 minutes.



3 Permanent Time Shift

You can select Permanent Time Shift off and on. Please refer to Time Shift Section in this manual

4 Recording Device

You can select recording device from HDD and USB. Please refer to Recording Section in this manual.



5 Time Shift Device

You can set the Timeshift device



5-1 HDD : Time Shift will be done in HDD. Buffering time is based on your setting during HDD format

Using Set Up Menu

5-2 USB : Time shift will be done in USB storage which is connected to HMR. Please make sure it should have FAT file system.

Buffering capacity

FAT 32 : 4GB

FAT 16 : 2GB

5-3 Auto

HMR will check HDD first and check USB later if HDD is not installed.

6 Network

You can set up the network



6-1 Wired LAN Setup

You can select from DHCP IP (Auto) or Fix IP (Manual) according to your IP status in the LAN connection



1 Fix IP (Manual)

You can type the IP address, Subnet Mask, Default Gateway manually according to you LAN condition.

2 DHCP IP (Auto)

Please select if your are getting IP address automatically using DHCP.

NOTE

• If you can not get LAN connection in DHCP IP setting, you may get it with changing it to Fix IP.

1 In your computer, Go to Control panel → Network connection and double click Local Area Connection. Go to Support Tab and you can find IP address, Subnet Mask, Gateway your computer is connected to.

2 Select to Fix IP (Manual) in HMR Set Up Menu

3 Type the IP address same numbers as your computer connected address until 3rd cell and type the different number in the 4th cell in randomly.

4 Type in the Subnet Mask and Gateway same numbers as your computer is connected to.

5 Press Enter button and save the current setting when OSD will show up.

NOTE

- It is recommended to set the network after connecting LAN cable correctly.
- Please check if any computer virus program or firewall is blocking the network access from this unit.
- You may face the instant stop and freezing of AV contents while they are being playback through LAN due to network speed, LAN cable, hub capacity or AV files including HD size files. In this case, please watch them after copying them into installed HDD.

Additional Information

F/W upgrading

- 1 Unzip the F/W upgrade Zip file.
- 2 Copy the F/W upgrade file into USB Memory
- 3 Connect USB Memory into an USB input of HMR after turning the Power Off of HMR.
- 4 While pressing Guide button on Front panel, Turn the Power On of HMR by Mechanical S/W. You can stop pressing Guide button after the upgrading OSD appears.
- 5 HMR will be automatically updated while showing Pop up windows during upgrading.
- 6 HMR will be reset automatically after upgrading F/W.

NOTE

- Depending on TV, Upgrading OSD may not been shown on when it is connected by HDMI cable. In this case, Please connect Scart or RCA cable when you upgrade F/W.

How to find F/W version

You can find the F/W version while pressing 7 - 7 - ENTER button in AV input mode.

Additional Information

Specification

General	HDD Type	SATA Upto 1TB ¹	
	File Format	Recording Partition: UDF File Partition : FAT32/NTFS	User's Selection Copy from UDF to FAT32
	Power Adapter	Input : AC 100V-240V, 50/60Hz Output : DC 12V, 3.5A	
	Power Consumption	3 W (Standby) , 45 W (Recording)	Mechanical S/W
	Compatible OS	Window 98, ME, 2000, XP	
	Dimension	63 (H) x 164 (W) x 203 (L)mm	
Encoding (Recording)	Weight	980 g (without HDD)	
	Recording Mode	HQ, SP, LP, EP, SLP	
	Video Format	MPEG II	PAL / NTSC
Decoding (Playback)	Audio Format	MPEG II	
	Video	MPEG2 HD (ts,tp), DivX HD(avi), Xvid HD (avi) MPEG1/2 (dat.mpg.vob.ifo) , DivX (avi), Xvid (avi), DV25 (Digital Camcorder)	WMV9, MKV, H.264 ²
	Audio	Dolby Digital, AC3, WMA, AAC, OGG, WAV	
MPEG4 Subtitle	Picture	JPEG, Bitmap (16bit/32bit)	
	Text Subtitle	smi, ssa, srt	
Function	HD Playback	Up to 1980x1080i	
	Recording & Time Shift	From Digital Set Top, VCR, Camcorder, TV ³	
	Network	Playback and copy the file of PC via LAN	
	External HDD	Through USB 2.0	
	File Copy by own Remote Control	From USB, Network PC, Installed HDD To USB, Installed HDD	
In/Out Terminal	Rear	USB (Host)	2 x USB 2.0 supported
		USB (Target)	USB 2.0 support, For PC
		LAN	10/100Mbps
		SCART In /Out	21pin Connector (with RGB) for TV
		SCART In/Out	21pin Connector (with RGB) for external AV device
		VIDEO Out	Composite Video (RCA)
		VIDEO In	Composite Video (RCA)
		AUDIO Out	2 Channel (RCA)
		AUDIO In	Left/Right (RCA)
		Component Out	Y/Pb/Pr (Y/Cb/Cr)
		HDMI Out	Type A / 1080i
		Digital Audio Out	Optical x1, Coaxial x1
		DV In	i.LINK/IEEE1394 standard
		Ext. IR In	
		Mechanical S/W	
		DC In	DC 12V
			Wireless / Digital TV option
			Wireless Option
			EU Scart version Only

NOTE

• The above Specification is subject to our final confirmation

¹ Higher capacity than 1 TB may be supported depending on our final approval and availability in the market

² WMV9, MKV, H.264 : Network (LAN) Playback only with Real Time Transcoding depending on codec in PC and Network speed.

³ Recording From TV is subject to TV which has the AV out through Scart and RCA

Additional Information

Troubleshooting

Incorrect operation is often mistaken for trouble or malfunction. If you think that there is something wrong with this component, check the points below. Sometimes the trouble may lie in another component. Inspect the other components and electrical appliances being used. If the trouble cannot be rectified after checking the items below, ask your nearest authorized service center or your dealer to carry out repair work.

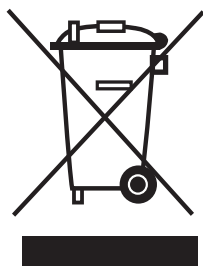
Problem	Solution
Condensation inside the player.	<ul style="list-style-type: none"> • Allow time for condensation to evaporate. Avoid using the player near an air-conditioning unit. • Playback is not possible.
No Video Signal or Strong distortion in Audio and Video	<u>TV System Issue</u> <ul style="list-style-type: none"> • Please check if TV system is correctly set according to your TV. • Please Press TV system button on your remote control slowly until you get the right signal. • Each time you press it, it is toggling 480i (NTSC) , 480P (NTSC Progressive Scan) , 576i (PAL) , 576P (PAL Progressive Scan) , 720P , 1080i and back to 480i (NTSC).
	<u>Cable Connection or AV In mode of TV.</u> <ul style="list-style-type: none"> • Please check again if the cable is correctly connected to TV. (Please refer to the Connection section) • Please check if AV input mode is correct in your TV. Press AV input button on TV remote control to get the right input mode where the cable from HMR is connected.
	<u>HDMI Issue</u> <ul style="list-style-type: none"> • Some of TV do not support the NTSC (480i) PAL (576i) through HDMI input. In this case, you can not see the Video signal correctly because the default Video out setting of HMR is PAL (576i) or NTSC (480i). • You can adjust Video out of HMR by pressing TV system button on your remote control to get the 480P, 576P, 720P or 1080i which you can see the video signal correctly through HDMI. (Please refer to the above TV system issue) • Please check if the video signal is OK with another inputs in TV such as Composite, Scart, Component input which support PAL or NTSC by connecting the RCA or Scart Cable.
No Playback or Freezing during playback	<u>Set Up Menu Issue</u> <ul style="list-style-type: none"> • Please check if TV input in Video set up menu is On while your TV do not support AV out through Scart correctly. Please change it to Off. • Please check if Decoder is On while you are connecting AV device except decoding box into EURO AV IN/OUT. Please change it to Off.
	<u>Encoding Issue</u> <ul style="list-style-type: none"> • Some of AV files can not be played back due to the encoding methods. Please make transcoding it in your computer with an proper transcoding utility. • If you play back the file through LAN, it could not be played back correctly depending on LAN connection. Please copy the file from LAN connected PC drive to installed HDD and try again. (Please refer to the File copy part in the manual)

Additional Information

Problem	Solution
Recording is not possible.	<ul style="list-style-type: none"> • Please check if the program you want to record is copy protected. Copy protected contents can not be recorded. • Please check if your recording device (Installed HDD or connected USB storage) are correctly connected or if it is correctly selected. • Please check if USD connected storage has a FAT32 file system if your selected recording Device is 'USB' in Set Up menu ('Record' section). You can not record into other File System such as NTFS in the case. Please change the recording device to HDD in Set up menu or connect USB Storage which has a FAT32 file system partition)
File copy is not possible.	<ul style="list-style-type: none"> • Please check if your copy target device has FAT32 file system. In case it has only NTFS, please try to copy it by computer connecting HMR as an external HDD. • Please check if your copy target device is correctly connected. • Please check if your copy target device has enough space for the copy.
Network Folder is not shown.	<ul style="list-style-type: none"> • Please check if your network setting is correctly made. • Please check if your network device is working properly. • Please check if any computer virus program or firewall is blocking the network access from this unit.
Can not find AV files which is seen in Computer.	<ul style="list-style-type: none"> • Please check if you select file format correctly from Movie, Music, or Photo. You can change it only in Root directory so that you should change it after going to root directory by using ▲ button.
Can not detect HDD after installation.	<ul style="list-style-type: none"> • Please check the cables (Power or Data cable) if they are correctly connected.
Scart By-pass does not work.	<ul style="list-style-type: none"> • Please check if the mechanical S/W of HMR is On. When you are connecting your Set Top box or VCR through Scart input of HMR while HMR is connected to TV with Scart Cable, You can watch them without turning HMR on which is called Scart Bypass Function. HMR support the Scart Bypass function in stand by mode which is when Mechanical S/W should be On.
Standby On and Off by remote control is not promptly working.	<ul style="list-style-type: none"> • It is normal and not a malfunction if it could take several seconds to check the devices (HDD, USB) which can be connected and have them turn on and off after you press power button on remote control.

NOTE

- Static electricity or other external influences may cause malfunctioning of this unit. In this case, unplug the power cord and then plug back in. This will usually reset the unit for proper operation. If this does not correct the problem, please consult your nearest service center.



ENGLISH

"RECYCLING : This product is marked by the symbol of the selective sorting, relating to the electric and electronic component scrap. That means that this product must be taken by a selective system of collection in accordance with European directive 2002/96/CE, in order to be able either to be recycled or to be dismantled in order to reduce any environmental impact. Attention ! the electronic products not having been the subject of a selective sorting are potentially dangerous for the environment and human health because of the potential presence of dangerous substances."

FRANÇAIS

"RECYCLAGE : Ce produit est marqué du symbole du tri sélectif, relatif aux déchets d'équipements électriques et électroniques. Cela signifie que ce produit doit être pris par un système de collecte sélectif conformément à la directive européenne 2002/96/CE, afin de pouvoir soit être recyclé soit être démantelé afin de réduire tout impact sur l'environnement. Attention les produits électroniques n'ayant pas fait l'objet d'un tri sélectif sont potentiellement dangereux pour l'environnement et la santé humaine en raison de la présence potentielle de substances dangereuses."

ESPAÑOL

"RECICLANDO : Este producto es marcado por el símbolo de clasificar selectivo, referente al desecho del componente eléctrico y electrónico. Eso significa que este producto se debe tomar por un sistema selectivo de la colección de acuerdo con el directorio europeo 2002/96/CE, para poder o ser reciclado o ser desmonte para reducir cualquier consecuencia para el medio ambiente. ¡ Atención! los productos electrónicos que son el tema de clasificar selectivo son potencialmente peligrosos para el ambiente y la salud humana debido a la presencia potencial de sustancias peligrosas."

ITALIANO

"RICICLANDO : Questo prodotto è contrassegnato dal simbolo della fascicolazione selettiva, concernente lo scarto del componente elettrico ed elettronico. Quello significa che questo prodotto deve essere preso da un sistema selettivo dell'accumulazione in conformità con l'indirizzamento europeo 2002/96/CE, per potere o essere riciclato o essere smontati per ridurre tutto l'impatto ambientale. Attenzione! i prodotti elettronici che sono l'argomento di fascicolazione selettiva sono potenzialmente pericolosi per l'ambiente e la salute umana a causa della presenza potenziale delle sostanze pericolose."

HET NEDERLANDS

"RECYCLEREND : Dit product wordt gemerkt door het symbool van het selectieve sorteren, met betrekking tot het elektrische en elektronische componentenschroot. Dat betekent dat dit product door een selectief systeem van inzameling overeenkomstig Europese richtlijn 2002/96/CE moet worden genomen, of kunnen worden gerecycleerd of te zijn demonteert om om het even welk milieueffect te verminderen. Aandacht! de elektronische producten die niet het onderwerp van het selectieve sorteren zijn potentieel gevaarlijk voor het milieu en de volksgezondheid wegens de potentiaal aanwezigheid van gevaarlijke substanties. "zijn geweest

DEUTSCH

"AUFBEREITEND : Dieses Produkt wird durch das Symbol des vorgewählten Sortierens, in bezug auf den Schrott des elektrischen und elektronischen Bauelements gekennzeichnet. Das bedeutet, daß dieses Produkt durch ein vorgewähltes System der Ansammlung in Übereinstimmung mit europäischer Richtlinie 2002/96/CE genommen werden muß, um in der Lage zu sein entweder aufbereitet zu werden, oder zu sein nehmen Sie ab, um jede Klimaauswirkung zu verringern. Aufmerksamkeit! die elektronischen Produkte nicht seiend das Thema eines vorgewählten Sortierens sind möglicherweise gefährlich für das Klima und die menschliche Gesundheit wegen des potential Vorhandenseins der gefährlichen Substanzen."